

**AMENDMENTS TO THE CLAIMS**

1. - 30 (Canceled)

31. (New) An autologous T cell vaccine comprising inactivated T cells that are reactive against one or more epitopes, wherein SEQ ID NOS: 1-6 comprise the epitopes.

32. (New) The vaccine of claim 1 wherein only SEQ ID NOS: 1-6 comprise the epitopes.

33. (New) The vaccine of claim 1 wherein the vaccine consists essentially of T cells that are reactive against SEQ ID NOS: 1-6.

34. (New, Withdrawn) A method of making the vaccine of claim 1 for the treatment of multiple sclerosis comprising:

(a) incubating a sample comprising T cells isolated from a patient to be treated with the vaccine in the presence of one or more multiple sclerosis associated antigens or derivatives thereof;

(b) stimulating the cells of (b) with a mitogen; and

(c) inactivating the cells of (c),

wherein SEQ ID NOS: 1-6 comprise the antigens.

35. (New, Withdrawn) The method of claim 34 wherein one or more T cells of (b) are selected from the cells of (a) and wherein the T cells of (b) express one or more first markers selected from the group consisting of CD69, CD4, CD25, and HLA-DR and one or more second markers selected from the group consisting of IL-2,  $\gamma$ IFN, TNF $\alpha$ , IL-5, IL-10 and IL-13.

36. (New, Withdrawn) The method of claim 34 wherein the multiple sclerosis associated antigens consist of SEQ ID NOS: 1-6.

37. (New, Withdrawn) The method of claim 34 wherein the sample comprises peripheral blood T cells.

38. (New, Withdrawn) The method of claim 34 wherein the sample comprises cerebrospinal fluid T cells.

39. (New, Withdrawn) The method of claim 34 wherein the inactivating of the cells in (c) is by irradiation or chemical treatment.

40. (New, Withdrawn) A method for treating multiple sclerosis comprising administering to a patient in need thereof the composition of claim 31.

41. (New, Withdrawn) A method for treating multiple sclerosis comprising administering to a patient in need thereof the composition of claim 32.

42. (New, Withdrawn) A method for treating multiple sclerosis comprising administering to a patient in need thereof the composition of claim 33.